

AMENDMENTS TO THE SPECIFICATION

Page 1, amend the title as follows:

CLEANING DEVICE AND FOR COLLECTING TONER ON A SURFACE OF AN
IMAGE FORMING APPARATUS

In the specification:

Amend paragraph [0010] as follows:

[0010] In a first aspect of the present invention, there is provided a cleaning device for collecting toner on a surface of an image bearing body. According to this aspect of the invention, ~~comprising~~ a rotary member ~~having~~ has electrical conductivity and ~~being~~ may be rotatively driven while being in contact with the surface of the image bearing body. Also included may be [[:]] a conductive member which makes contact~~contacts~~ with the image bearing body on an upstream side of the rotary member in a feed direction of the image bearing body. A, and a single of d.c. power supply can be connected to ~~which either one of the rotary member and or the conductive member is connected,~~ where the one not connected to the d.c. power supply is grounded ~~other being grounded.~~ Such an arrangement, and which serves for generating ~~generates~~ a d.c. current that flows via the image bearing body between the rotary member and the conductive member, whereby a first electric field in such a direction as to exert a force for adsorbing the toner of a normal charging polarity to the rotary member is generated between the rotary member and the image bearing body while a second electric field in a direction reverse to the first electric field is generated between the conductive member and the image bearing body.

Amend paragraph [0020] as follows:

[0020] Preferably, the direct current I_c (μA) ~~flowing~~ flows between the rotary member and the conductive member via the image bearing body. ~~The,~~ the output voltage V_c (V) of the d.c. power supply, and the distance L_1 (mm) from the contact position of the rotary member with the

image bearing body to the contact position of the conductive member with the image bearing body in the feed direction of the image bearing body satisfy the relationship of the following equation (1):

$$\frac{V_c - 312}{6200} < I_1 < \alpha \cdot \log_e I_c + \beta \quad (1)$$

Amend paragraph [0024] as follows:

[0024] The cleaning device may further ~~comprise~~include a second conductive member which ~~makes contact~~contacts with the image bearing body on an upstream side of the conductive member in the conveyance direction of the image bearing body. Preferably, the second conductive members~~and which~~ is grounded. This second conductive member makes it possible to prevent powder smoke of the toner from scattering from the cleaning device to adhere to the image bearing body. The second conductive member functions also as a charge elimination member.

Amend paragraph [0025] as follows:

[0025] The cleaning device may ~~further comprise~~also include a third conductive member which ~~contacts~~makes contact with the image bearing body on a downstream side of the rotary member in the conveyance direction of the image bearing body. Preferably, the third conductive member~~, and which~~ is connected to the d.c. power supply. This third conductive member prevents powder smoke of the toner derived from scattering out of the cleaning device. The third conductive member has a function of uniformizing the charging polarity of the toner on the image bearing body that has passed through the rotary member.

Amend paragraph [0026] as follows:

[0026] In a second aspect of the present invention, there is provided an image forming apparatus ~~comprising~~which has an image bearing body for carrying a toner image on a surface thereof. Also included may be; a transfer section for transferring the toner image on the image

bearing body surface onto a transfer-destination member by electric power fed from a first power supply. The apparatus may also include; a current sensor for detecting a current flowing through the transfer section and ; a rotary member which is rotatably placed on a downstream side of the transfer section in a feed direction of the image bearing body so as to make contact with the image bearing body surface. Preferably, the rotary member is electrically conductive and which has electrical conductivity; A a motor for rotating the rotary member may also be provided. A ; a second power supply for supplying electric power to the rotary member, whereby toner remaining on the image bearing body surface after transfer is electrostatically adsorbed to the rotary member may also be provided. A ; and a controller for controlling ~~at least one of an~~ either the output of the second power supply ~~and or the~~ rotational speed of the motor based on a current value detected by the current sensor.

Amend paragraph [0028] as follows:

[0028] The image forming apparatus may ~~further also include~~ comprise an environment sensor for detecting an environmental condition. In this case, the controller further controls at least one of the output of the first power supply and the rotational speed of the motor based on an environmental condition detected by the environment sensor. The environment sensor can detect ~~detects at least one of, for example,~~ temperature ~~and or~~ humidity as the environmental condition, as an example.

Amend paragraph [0032] as follows:

[0032] In a third aspect of the present invention, ~~there is provided an~~ the image forming apparatus ~~comprising~~ may include; an image bearing body for carrying a toner image on a surface thereof, and ; an intermediate transfer member which contacts with the image bearing body. Also included may be ; a primary transfer section for transferring the toner image on the image bearing body surface to the intermediate transfer member by electric power being fed from a first power supply. A ; a secondary transfer section ~~which may be~~ placed on a downstream side of the primary transfer section in a feed direction of the intermediate transfer member and ~~which serves~~

~~for~~may transfer~~-transferring~~ the toner image on the intermediate transfer member to a transfer-destination member. A; a rotary member may be~~which is~~ placed on a downstream side of the secondary transfer section in the feed direction of the intermediate transfer member and ~~which is~~ may be rotatively driven while ~~being in~~making contact with a surface of the intermediate transfer member. The rotary member may be electrically conductive.~~and which has electrical conductivity;~~ a A second power supply for supplying electric power to the rotary member may be provided, whereby toner remaining on the intermediate transfer member even after the toner image has been transferred to the transfer-destination member is electrostatically adsorbed to the rotary member. A; a grounded conductive member which ~~contacts~~makes contact with the intermediate transfer member and which is electrically connected to the second power supply via the rotary member and the intermediate transfer member ~~and which is grounded~~may also be included. A; a current sensor ~~for detecting~~may detect a current flowing through the conductive member. A;~~and~~ a controller for controlling an output of the first power supply based on a current value detected by the current sensor be also be provided.